
PART I - ADMINISTRATIVE

Section 1. General administrative information

Title of project

Clearwater Subbasin Focus Watershed Program - Npt

BPA project number: 9706000

Contract renewal date (mm/yyyy): 3/2000

☐ Multiple actions?

Business name of agency, institution or organization requesting funding

Nez Perce Tribal Fisheries/Watershed Program

Business acronym (if appropriate) NPT

Proposal contact person or principal investigator:

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NPPC Program Measure Number(s) which this project addresses

3.1, 4.1, 7.1, 7.6, 7.7, and 7.8

FWS/NMFS Biological Opinion Number(s) which this project addresses

Land and Resource Management Plans for National Forests and Bureau of Land Management Resource Areas in the Upper Columbia Basin and Snake River Basin Evolutionary Significant Units, 1998.

Other planning document references

Bonneville Power Administration. 1997. Watershed Management Program: Final Environmental Impact Statement.

Columbia Basin Fish and Wildlife Authority. 1997. Integrated Watershed Projects: the Process and Criteria for selecting watershed projects for the Columbia Basin Fish and Wildlife Program.

Columbia River Basin Fish and Wildlife Program. 1994. Columbia Basin Fish and Wildlife Program.

CRITFC. 1994. Wy-Kan-Ush-Mi Wa-Kish-Wit (Spirit of the Salmon).

Independent Scientific Group. 1996. Return to the River, Restoration of Salmonid Fishes in the Columbia River Ecosystem.

NMFS. 1995. Proposed Recovery Plan for Snake River Salmon.

Nez Perce Tribe and Idaho Department of Fish and Game. 1990. Clearwater River Subbasin Salmon and Steelhead Production Plan.

U.S. Forest Service and U.S. Bureau of Land Management. 1997. Interior Columbia Basin Ecosystem Management Project: Upper Columbia River Basin Draft Environmental Impact Statement.

Short description

Manage and Implement a comprehensive system to coordinate multiple jurisdictions, agencies, and private landowners within the 1855 Nez Perce ceded territory area. These efforts will protect, restore, and enhance anadromous fisheries habitat.

Target species

Spring Chinook salmon, Fall Chinook salmon, Coho salmon, Steelhead, Pacific Lamprey, Westslope Cutthroat trout, and Bull trout.

Section 2. Sorting and evaluation

Subbasin

Clearwater River

Evaluation Process Sort

CBFWA caucus	Special evaluation process	ISRP project type
Mark one or more caucus	If your project fits either of these processes, mark one or both	Mark one or more categories
<input checked="" type="checkbox"/> Anadromous fish <input type="checkbox"/> Resident fish <input type="checkbox"/> Wildlife	<input type="checkbox"/> Multi-year (milestone-based evaluation) <input checked="" type="checkbox"/> Watershed project evaluation	<input type="checkbox"/> Watershed councils/model watersheds <input type="checkbox"/> Information dissemination <input type="checkbox"/> Operation & maintenance <input type="checkbox"/> New construction <input type="checkbox"/> Research & monitoring <input checked="" type="checkbox"/> Implementation & management <input type="checkbox"/> Wildlife habitat acquisitions

Section 3. Relationships to other Bonneville projects

Umbrella / sub-proposal relationships. List umbrella project first.

Project #	Project title/description
9608600	Idaho Soil Conservation Commission Focus Watershed Project
9607711	Restore McComas Meadows/Meadow Creek Watershed
9607708	Protecting & Restoring the Lolo Creek Watershed
9607709	Protecting & Restoring Squaw & Papoose Creek Watersheds
9901700	Rehabilitate Lapwai Creek
9901600	Protecting & Restoring Big Canyon Creek Watershed
20087	Protect Mill Creek Watershed
20086	Rehabilitate Newsome Creek Watershed
20085	Analyse and Improve Fish Screens
20084	Protect and Restore the North Lochsa Face Analysis Area Watersheds

Other dependent or critically-related projects

Project #	Project title/description	Nature of relationship
9607701	Meadow Creek Restoration - Idaho	Graduate Research Project
9607701	Nez Perce Tribal Hatchery	Supplementation

Section 4. Objectives, tasks and schedules

Past accomplishments

Year	Accomplishment	Met biological objectives?
1996	Coordinate Salmon Corps to remove six miles of barb-wire and rail fence	N/A

1996	Coordinate Salmon Corps to stabilize landslide.	Re-vegetation and improve fish passage within West Fork Squaw Creek.
1997	Coordinate with Clearwater and Nez Perce National Forests to develop Cost-Share Agreements/Memorandum of Understanding	N/A
1997	Coordinate with Clearwater National Forest (CNF) to plan/implement road obliteration within the Squaw, Papoose, and Lolo Creek Watersheds.	Reduced sediment delivery to streams.
1997	Coordinate with CNF to design/construct riparian/meadow protection fence.	Critical spawning habitat, cultural resources, and riparian area protection.
1997	Coordinate with Nez Perce National Forest (NPNF) to design/construct riparian/meadow protection fence.	Critical spawning habitat, cultural resources, and riparian area protection.
1998	Coordinate with CNF, Potlatch Corporation, Idaho Dept. of Lands, and private grazing permittees to develop a Challenge Cost Share Agreement.	N/A
1998	Coordinate with above stated agencies to design/implement construction of riparian protection fence.	10.1 miles of riparian protection fence compelled to protect 21,000 acres from cattle grazing effects.
1998	Coordinate with consultant and contractor to install two cattle guards and one off-site watering development for cattle in the uplands	Riparian protection from the effects of cattle grazing.
1998	Coordinate with NPNF to install water table wells in McComas Meadows to monitor the groundwater levels associated with meadow/wetland rehabilitation.	Water table wells installed.
1998	Monitoring of fence construction to ensure over-winter survival and human impacts are repaired.	Fully functioning fence to exclude cattle from riparian areas and tree plantations.

Objectives and tasks

Obj 1,2,3	Objective	Task a,b,c	Task
1	Coordinate watershed project development within the 1855-treaty territory of the Nez Perce Tribe among federal, state, and local government agencies and private landowners in cooperation with the Idaho Soil Conservation Commission Focus Program.	a	Coordinate Clearwater River subbasin watershed projects prioritization and planning between the US Forest Service, BLM, BIA, NMFS, NRCS, USFWS, ISCC, IDL, IDFG, IDEQ, conservation districts, private industry, and landowners.
		b	Form interdisciplinary team to perform watershed assessment and monitoring functions.
		c	Work with interagency groups to design projects that are priorities to the Nez Perce Tribe within the 1855-treaty territory.
		d	Manage proposal development describing assessment, enhancement/restoration, monitoring, and acquisition watershed projects.
2	Manage implementation of watershed assessment, enhancement/restoration,	a	Manage implementation and/or compilation of data for watershed assessment projects.

	and monitoring projects in area that have been prioritized and planned.		
		b	Manage implementation projects to enhance or restore fisheries habitat.
		c	Manage implementation monitoring of current fiscal year projects.
		d	Manage and coordinate design of a long term monitoring program.
3	Pursue other funding sources to cost-share in future project implementation.	a	Facilitate interagency project funding participation.
		b	Research private funding opportunities.
4	Manage project to effectively accomplish project goals.	a	Develop project time schedules.
		b	Prepare and submit quarterly progress reports.

Objective schedules and costs

Obj #	Start date mm/yyyy	End date mm/yyyy	Measureable biological objective(s)	Milestone	FY2000 Cost %
1	12/1999	12/2000		X	50 %
2	12/1999	12/2000		X	30 %
3	2/1998	9/2000		X	10 %
4	1/2000	12/2000		X	10 %
				Total	100.00%

Schedule constraints

A habitat assessment by coordinating agencies is the framework for long-term work within each subbasin. Proposal development for projects in the near-term will be substantially based on previous planning prioritizations.

Completion date

2015

Section 5. Budget

FY99 project budget (BPA obligated): \$93,024

FY2000 budget by line item

Item	Note	% of total	FY2000
Personnel		%53	52,000
Fringe benefits	14%	%7	7,280
Supplies, materials, non-expendable property	Public Meetings, Workshop, Newsletter Publishing, Information, and education	%4	3,500
Operations & maintenance		%0	
Capital acquisitions or improvements (e.g. land, buildings, major equip.)	Grounds maintenance & Building Improvements	%5	5,000
NEPA costs		%0	
Construction-related support		%0	

PIT tags	# of tags:	%0	
Travel		%12	12,000
Indirect costs	22.9%	%19	18,957
Subcontractor		%0	
Other		%0	
TOTAL BPA FY2000 BUDGET REQUEST			\$98,737

Cost sharing

Organization	Item or service provided	% total project cost (incl. BPA)	Amount (\$)
		%0	
		%0	
		%0	
		%0	
Total project cost (including BPA portion)			\$98,737

Outyear costs

	FY2001	FY02	FY03	FY04
Total budget	\$103,000	\$118,000	\$123,000	\$130,000

Section 6. References

Watershed?	Reference
<input type="checkbox"/>	Bonneville Power Administration. 1997. Watershed Management Program: Final Environmental Impact Statement.
<input checked="" type="checkbox"/>	Clearwater National Forest. 1997. Clearwater Subbasin Ecosystem Analysis at the Watershed Scale. Clearwater National Forest.
<input type="checkbox"/>	Clearwater National Forest. 1997. Landslide study.
<input type="checkbox"/>	Columbia Basin Fish and Wildlife Authority (NPPC). 1997. A method and criteria for evaluating the technical merits and feasibility of watershed and habitat projects.
<input type="checkbox"/>	Columbia Basin Fish and Wildlife Authority. 1997. Integrated watershed projects: The process and Criteria for Selecting Watershed Projects for the Columbia Basin Fish and Wildlife Program.
<input type="checkbox"/>	Columbia River Basin Fish and Wildlife Program. 1994. Columbia River Basin Fish and Wildlife Program.
<input checked="" type="checkbox"/>	Columbia River Inter-Tribal Fish Commission. 1994. Wy-Kan-Ush-Mi Wa-Kish-Wit. (Spirit of the Salmon).
<input type="checkbox"/>	Huntington, Charles. 1997. Final Report: Fish Habitat and Salmonid Abundance Within Managed and Unroaded Landscapes on the Clearwater National Forest, Idaho. Prepared for Eastside Ecosystem Management Project.
<input type="checkbox"/>	Huntington, Charles. 1994. Stream and Riparian Conditions in the Grande Ronde Basin.
<input type="checkbox"/>	Independent Scientific Group. 1996. Return to the River, Restoration of Salmonid Fishes in the Columbia River Ecosystem.
<input type="checkbox"/>	Meehan, William (ed). 1991. Influences of Forest and Rangeland Management on Salmonid Fishes and Their Habitats.
<input type="checkbox"/>	National Marine Fisheries Service. 1997. Draft Proposal-Decision Matrix.
<input type="checkbox"/>	National Marine Fisheries Service. 1995. Proposed Recovery Plan for the Snake River Salmon.
<input type="checkbox"/>	Nez Perce Tribe and US Treaty. 1855.

<input type="checkbox"/>	Nez Perce Tribe and Idaho Department of Fish and Game. 1990. Clearwater River Subbasin Salmon and Steelhead Production Plan.
<input type="checkbox"/>	Roper, B.B., Dose, J.J. & Williams, J.E. 1997. Stream restoration: Is Fisheries Biology Enough? <i>Watershed Restoration</i> 22:5.
<input checked="" type="checkbox"/>	USDA Forest Service. 1998. South Fork Clearwater River Landscape Assessment. Volume I, Nez Perce National Forest, Idaho County, Idaho.
<input type="checkbox"/>	US Forest Service and US Bureau of Land Management. PACFISH. 1995. Decision Notice/Decision Record: Strategies for Managing Anadromous Fish-Producing Watersheds in Eastern Oregon, Washington, Idaho and Portions of California.
<input type="checkbox"/>	US Forest Service and US Bureau of Land Management. 1997. Interior Columbia Basin Ecosystem Management Project: Upper Columbia River Basin Draft Environmental Impact Statement.
<input type="checkbox"/>	Wallowa County and the Nez Perce Tribe. 1993. Salmon Recovery Plan for Wallowa County.

PART II - NARRATIVE

Section 7. Abstract

The overall goal of the Nez Perce Tribe's Focus Watershed Program is to coordinate multiple jurisdictions and multiple government agencies efforts to protect, restore, and enhance fisheries habitat in the Clearwater River subbasin. Effected fish populations in the subbasin include: Spring Chinook salmon, Fall Chinook salmon, Coho salmon, steelhead, Pacific Lamprey, Westslope Cutthroat trout, and Bull trout. This project will incorporate existing subbasin requirements into the policies and goals of the Columbia Basin Fish and Wildlife Program. It is expected that increased opportunities for cooperative project design will result from the implementation of the Clearwater Focus Program, as well as increased funding sources.

Assessment criteria for this proposal is defined by the product described for each program objective. These products include: Clearwater subbasin assessment, administrative system and review protocol for project proposals designed and implemented, creation of interdisciplinary technical advisory team, compilation of potential projects, workshop presentations, and assistance for focus proposal development.

Section 8. Project description

a. Technical and/or scientific background

The Clearwater River subbasin drains approximately 9,645 square miles, 2,490 square miles of which are above Dworshak Dam and not accessible to anadromous fish (Nez Perce Tribe & Idaho Dept of Fish and Game, 1990). The major watersheds accessible to anadromous fish are: Lochsa, Selway, South Fork, Middle Fork, and the mainstem of the Clearwater River. Anadromous fish habitat within the Clearwater ranges from the pristine conditions found in the Selway-Bitterroot Wilderness Area to the Clearwater mainstem. Habitat affected by land management actions in the subbasin include: agriculture, logging, mining, and livestock ranging.

The Clearwater subbasin lies within the 1855-treaty territory of the Nez Perce Tribe, where substantial numbers of Chinook salmon and steelhead returned to these subbasins prior to the construction of dams on the Columbia and Snake River and the Lewiston dam on the Clearwater River. The Lewiston dam was removed in 1972 re-opening habitat on the Clearwater River, but the dams throughout the Columbia and Snake Rivers remain.

The building blocks for the Columbia River Basin Fish and Wildlife Program's (FWP) *Integrated System Plan for Salmon and Steelhead Production in the Columbia River System* (1991) are the subbasin plans prepared for the 31 major watersheds in the Columbia River basin, of which the Clearwater River is

included. The subbasin order of organization is substantially supported by the FWP's third principle for rebuilding salmon and steelhead in the Columbia River basin:

The region should approach habitat and production activities from a total-watershed perspective, not as activities that occur in isolation from land and water conditions in watershed. Special priority should be given to projects that are part of model watersheds or other coordinated watershed programs, especially those with local community involvement (Columbia River Basin Fish and Wildlife Program, 1994, p4).

Consequently, the Clearwater Subbasin Focus Program was initiated on September 15, 1996 with Bonneville Power Administration (BPA) contract funding through the sponsorship of the Nez Perce Tribe and the Idaho State Soil Conservation Commission. The Nez Perce Tribe and the Soil Conservation Commission have retained separate coordinators to jointly administer the program. The action directly implemented Section 7.7 A.4 of the FWP, Coordination of Watershed Activities and will become the basis for implementation of the remainder of Section 7.7 and Sections 7.6 Habitat Goal, Policies, and Objectives, and 7.8 Implement State, Federal and Tribal Habitat Improvements.

The unique partnership between the Nez Perce Tribe and the Idaho State Soil Conservation Commission provides a network to connect resource managers and users in the Clearwater River subbasin. The Nez Perce Tribe provides the link to federal agencies and the Nez Perce Territory and the Soil Conservation Commission forms a direct link to private landowners in the agricultural community and other state agencies within the subbasin. Subbasin management and ownership is illustrated below.

Federal

Army Corps of Engineers
Bureau of Land Management
Clearwater National Forest
National Marine Fisheries Service
Natural Resources Conservation Service
Nez Perce National Forest
Dept. of Fish and Wildlife
US Fish and Wildlife Service

Local

Clearwater Basin Advisory Group
County governments
Municipalities
Soil and Water Conservation District
Watershed Advisory Groups

Idaho State

Department of Lands
Division of Environmental Quality
Idaho Fish and Game
Soil Conservation Commission
Department of Water Resources

Tribal

NPT Executive Committee
NPT Fisheries
NPT Land Services

b. Rationale and significance to Regional Programs

The concepts behind habitat preservation, restoration, and enhancement are predicated on the notion that all components within an ecosystem are related; the physical, biological, and chemical characteristics are intricately related to create a unique synergism. This is reflected in the "Habitat Goals, Policies, and Objectives" section of the *Columbia River Basin Fish and Wildlife Program*.

Maintaining and improving the productivity of salmon and steelhead habitat is an extremely complex task. It requires coordination of virtually all activities that occur in a subbasin. The Council maintains that the best approach to watershed restoration is for activities to be cooperatively undertaken by federal, state, private, and tribal parties. Furthermore, if watershed restoration is to be successful, instream restoration should be accompanied by riparian and up slope restoration (FWP, p 7-32).

The Clearwater Subbasin Focus Program has been initiated to accomplish the link of coordination needed to achieve this work. The program is co-coordinated by the Nez Perce Tribe and the State of Idaho to bring together all of the governments, agencies, individuals, and concerns that exist within the subbasin, as defined in Section 8a.

The form and function of the Clearwater Subbasin Focus Program are driven by the “Habitat Policies” (Fish and Wildlife Program, 1995). To summarize, the program will directly implement the following:

1. Improve and maintain coordination of activities to protect and improve the productivity of salmon and steelhead stocks.
2. Develop and implement procedures to ensure compatibility and compliance with the Council’s habitat goal, policies and objectives.
3. Give highest priority to habitat protection and improvement in areas of the Columbia Basin habitat has low or medium productivity. Give priority to projects that are part of an integrated watershed approach and promote partnerships with private landowners.
4. Maximize the benefit to cost ration.
5. Investigate and seek cost share opportunities.
6. Promote public outreach and education.

This project works toward meeting the Habitat Objectives in section 7.6 of the NPPC Fish and Wildlife Program. Coordination of habitat projects within the 1855-treaty territory of the Nez Perce Tribe includes: fence construction, road obliteration, riparian re-vegetation, bank stabilization, and improving water quality. Managing and implementing these projects will assist in reducing sediment delivery to streams, reducing cobble embeddedness, decreasing temperatures through shading, stabilizing banks through re-vegetation and structures, and obliterating roads to decrease sediment delivery to streams. Fisheries research is currently being conducted throughout these subbasins through a coordinated effort between the agencies

c. Relationships to other projects

The Clearwater Focus Watershed Program is actively involved in implementation of the following projects with the Clearwater Sub-basin habitat restoration projects. The following list details the relationship to this project proposal.

- McComas Meadow/Meadow Creek Watershed – Re-vegetate and restore riparian and wetland habitat through stream bank stabilization, excluding grazing effects, and groundwater monitoring.
- Lolo Creek Watershed – Coordinate with Clearwater National Forest to improve spawning and rearing habitat through road obliteration/erosion control activities, coordinate with Potlatch Corporation, State of Idaho, Clearwater National Forest, and private landowners to determine riparian protection/grazing exclusion areas, off-site watering development, and cattleguard placement, and perform monitoring and evaluation of riparian areas as a result of fencing and road obliteration/erosion control.
- Squaw and Papoose Creek Watersheds – Improve spawning and rearing habitat through road obliteration/erosion control activities, and perform monitoring and evaluation of road obliteration and sediment reduction procedures.
- Lapwai Creek Watershed – Complete watershed assessment to justify further work within the watershed, and coordinate with private landowners within proposed work area.
- Big Canyon Creek Watershed – Complete watershed assessment to justify further work within the watershed, and coordinate with private landowners within proposed work area.

- Meadow Creek Restoration–Idaho – Increase understanding of meadow restoration through academic graduate work by comparing low impact vs. aggressive mechanical restoration methods within Meadow Creek and Red River in the South Fork Clearwater River.
- Mill Creek- Construct fence to protect critical spawning habitat within the Mill Creek Watershed.
- Newsome Creek – Obliterate roads to reduce sediment delivery to the stream, and monitor channel morphology.
- North Lochsa Face – Survey and obliterate roads to reduce sediment delivery to streams.
- Fish Screens – Analyze and Improve fish screens on pumps and diversions within the 1855-treaty territory of the Nez Perce Tribe.

All projects are located within the Clearwater River subbasin, and are consistent with the goals and objectives of the 1994 Fish and Wildlife Program (FWP). These include: sharing costs with relevant parties, ensuring biodiversity through conserving landscapes, ecosystems, species, and populations through riparian protection, sediment reduction activities, habitat protection and rehabilitation, stream bank regeneration and rehabilitation, continue land management, increase survival of native anadromous and resident salmonids.

d. Project history (for ongoing projects)

The Nez Perce Tribe initiated the Clearwater Focus Program in March 1997 with BPA contract funding (\$50,000) for project number 970600. The Idaho State component of the Clearwater Focus Program through the Soil Conservation Commission began on September, 1996 with BPA contract funding (\$50,000) for project number 9608600. A program co-coordinator was hired in November, 1996, but resigned in April, 1997. A new co-coordinator was hired in May, 1997.

The Clearwater Focus Watershed Program at the Nez Perce Tribe spent approximately \$88,575. This project focused on coordination and implementation of habitat restoration projects within the Nez Perce and Clearwater National Forests. In addition, Potlatch Corporation, and Idaho Department of Lands, and private grazing permittees are coordinating with the Forest Service and the Nez Perce Tribe to construct fence, install cattle guards, and off-site-watering development to protect critical riparian habitat. The Coordinator worked with the Clearwater National Forest to develop a Challenge Cost Share Agreement to define each entities responsibilities and to avoid duplication of work.

Road obliteration was completed in the Squaw, Papoose, and Lolo Creek Watersheds to reduce sediment delivery to streams. Within Meadow Creek, the existing fence line was monitored for over-winter damages. In addition, water table wells were installed to monitor groundwater levels associated with meadow/wetland rehabilitation.

The following data bases have been compiled: existing resource management systems, planning documents, and regulations; a technical bibliography of work completed in the Clearwater subbasin; and a list of current, recent past, and planned habitat work. Interviews with representatives of all agencies with responsibilities in the Clearwater subbasin have been conducted. A subbasin-wide concurrence has been achieved for the program from agencies, organizations, and industry. Numerous presentations have been given to introduce the Clearwater Subbasin Focus Program to the public, watershed/environmental groups, and agencies. The two co-coordinators meet frequently throughout the year for strategy development, planning, site inspections, project development, and meeting presentations.

e. Proposal objectives

Objective 1: Coordinate watershed project development within the 1855-treaty territory of the Nez Perce Tribe among federal, state, and local government agencies and private landowners in cooperation with the Idaho Soil Conservation Commission Focus Program.

PRODUCT: A working relationship with coordinating agencies within the 1855-treaty territory will develop through this objective. An interdisciplinary team will form and work together to develop watershed assessments and monitoring plans. Potential projects will arise as this project progresses.

Objective 2: Manage implementation of watershed assessment, enhancement/restoration, and monitoring projects in area that have been prioritized and planned.

PRODUCT: Watershed assessments, enhancement, restoration, monitoring of projects within the 1855-treaty territory will be managed through this position. The Focus Coordinator will ensure that all significant agencies are involved in the planning, designing and implementation of projects. Prioritization of projects for funding is completed in coordination with significant agencies.

Objective 3: Pursue other funding sources to cost-share in future project implementation.

PRODUCT: Facilitation with interagency cooperation in pursuing funding sources. These sources may include cost-share or other outside funding. Agencies, such as the Forest Service and Idaho Department of Lands, have matched funds in the past years on projects such as road obliteration and fence construction.

Objective 4: Manage project to effectively accomplish project goals.

PRODUCT: Time schedules are developed for each project within the Nez Perce Tribal Fisheries Watershed Program, and coordination between significant agencies is completed. Quarterly and annual reports are completed and submitted to BPA in a timely manner.

f. Methods

The overall goal of the Nez Perce Tribe's Focus Watershed Program is to coordinate multiple jurisdictions and multiple government agencies efforts to protect, restore, and enhance fisheries habitat in the Clearwater River subbasin. This position will seek potential future projects, potential funding sources, available personnel, and provide opportunity for public involvement.

The following methodologies will be used to conduct proposed work: planning of potential projects within the ceded territory of the Nez Perce Tribe, public relations with significant agencies relating to on-the-ground projects, meeting facilitation for interdisciplinary team to perform watershed assessment and monitoring functions, manage implementation of projects to restore and enhance fisheries habitat, and written and oral communication with technical and non-technical interests.

The critical assumption upon which the program was initiated was the anticipation that all groups, governments, industries, and individuals with resource interests in the Clearwater subbasin would endorse a watershed level coordinated effort to address fisheries concerns. The implementation of habitat restoration projects to date documents this assumption is sustained. Furthermore, the program has enhanced the cooperative relationship between the Nez Perce Tribe and Idaho State regrading resource issues.

The Nez Perce Tribe's Focus Watershed Coordinator began seeking resources to complete watershed assessments in 1998. Watershed assessments/management plans are being completed within the watersheds in selected watersheds, as listed in Section 8c. These assessments are being completed in

cooperation with Washington State University, the US Forest Service, Idaho Soil Conservation Commission, and other significant agencies.

g. Facilities and equipment

The Nez Perce Tribe's Focus Watershed Coordinator has office space, fax, phone, furniture, and supplies support provided by the Nez Perce Tribe. Additional equipment is listed as follows:

- Computer (owned) – to be used in developing presentations, newsletters, quarterly, and annual reports.
- GSA vehicle (leased) – to be used in transportation to and from project work sites, meetings, seminars, and conferences.

h. Budget

This budget will support one watershed coordinator position represented by the Nez Perce Tribe Fisheries/Watershed Program. The personnel and fringe benefit costs will cover the employee's salary and benefits offered through the Nez Perce Tribe. Increase in personnel costs reflects a cost of living increase.

Supplies, materials, and non-expendable property costs will contribute to the fees and registration costs for public meetings, workshops, communications, newsletter publishing, information, and education outreach.

Capital acquisitions or improvements costs will be allocated for grounds maintenance and office building improvements. A healthy work environment is essential to the success of any program.

Travel costs will include mileage and living expenses for transportation to and from project work sites, meetings, conferences, and workshops.

Indirect costs of 22.9% of the budget is allocated to the Nez Perce Tribe Executive Committee for the means of administration, human resources, and accounting support.

Section 9. Key personnel

Ira Jones

**Clearwater Subbasin Focus Coordinator/
Habitat/Watershed Manager**

1.0 FTE

Education: University of Montana, Missoula, MT

Major: Wildlife

Attendance: Sept 1973 – June 1974

Current Responsibilities: Planning and implementation of Early Action Watershed Projects, analyze programs, laws, policies related to watershed management, facilitate development of criteria to identify critical fisheries habitat, develop a system to apply criteria to watershed for project development and administration, prepare and plan documents for watershed habitat coordination, provide educational presentations and workshops for watershed management and proposal development, and provide assistance to project proponents with proposal development, implementation, monitoring and assessment.

Previous Employment:

- March 1997 – present: NEZ PERCE TRIBE FISHERIES/WATERSHED
Habitat/Watershed Manager
- June 1986 – March 1997: UNITED STATES FOREST SERVICE, REGION ONE.

- Dec. 1980 – June 1986: Tribal Government Program Manager
UNITED STATES FOREST SERVICE, REGION ONE.
Facilities Manager
- July 1974 – Oct. 1979 UNITED STATES FOREST SERVICE, REGION ONE.
Fire Cache Work Leader

Relevant Job Completions: 1) Coordinated National, Multi-Regional, and Regional Civil Rights Conferences. 2) Facilitated Treaty Rights workshops with host tribes and multi-government agencies. 3) Organized and conducted Tribal Relations Training primarily for management level from the U.S. Forest Service, Tribes, Bureau of Land Management, and the Bureau of Indian Affairs. 4) Introduced, implemented, and managed the Inter-Tribal Youth Practicums for careers in natural resources and leadership within the U.S. Forest Service Regions 1, 5, 9, and 10. 5) Developed an Intergovernmental Personnel Act (IPA) position to work with the Salish Kootnai College to teach environmental science courses and develop a four-year natural science curriculum at the college. This three-year position and the program developed into a four-year accredited degree program in the fall of 1996.

Janet Hohle, Clearwater Subbasin Focus Program Co-coordinator (1 FTE)

Education

Institution	Location	Attendance	Major	Degrees
Washington State University	Pullman, WA	6/92-8/94	Education	Ed.M
University of Idaho	Moscow, ID	1-6/92; 5/94	Education	n/a
University of Washington	Seattle, WA	1/77 - 8/78	Geology	B.S.
University of Iowa	Iowa City, IA	1971-1975 (52 hrs)	General	n/a

Certificates:

Idaho: All subjects grades 1-8; Washington: Elementary education grades K-8; Earth Science Endorsement grades 4-12.

Professional Organizations: National Council Teachers of Mathematics; Phi Delta Kappa; Washington Science Teachers Association; Soil and Water Conservation Society.

Employment History

May, 1997 to Present **Clearwater Subbasin Focus Program Co-coordinator** Idaho Soil Conservation Commission. Moscow, Idaho. Duties: Analyze programs, laws, policies related to watershed planning, management, and restoration. Work with local groups to facilitate development of projects for fisheries habitat restoration that maximize subbasin agencies expertise, funding, and importance to aquatic species. Prepare documents for watershed habitat work coordination. Give educational presentations and workshops for watershed management and proposal development, implementation, compliance with NEPA and the ESA, monitoring, and assessment. Coordinate information and education outreach for projects coordinated through the Clearwater Focus Program. Provide assistance to project proponents with proposal development, implementation, monitoring, and assessment.

March, 1996 to May, 1997 **State Mineral/Aggregate Specialist** Oregon State Department of Land Conservation and Development. Salem, Oregon.

1994-1996 **Teacher** Substitute for grades 4-12 in Idaho and Washington school districts. Summer school science teacher-Upward Bound University of Idaho.

April, 1985 to November, 1991 **Geology Department Director** Colville Confederated Tribes.Nespelem, Washington.

April, 1982 to April, 1985 **Mineral Analyst** Colville Confederated Tribes. Keller, Washington.

January, 1979 to April, 1982 **Geologist** Colville Confederated Tribes. Nespelem, Washington.

The co-coordinator has extensive professional experience with interdisciplinary resource management, development, and problem solving in areas with multiple jurisdictional issues associated. During her tenure with Colville Confederated Tribes, the co-coordinator was responsible for competitive federal contracting. Demonstrated expertise includes resource issue coordination, public education, communication, and systems analysis.

Relevant Job Completions: 1) Data base compilations for system planning in the Clearwater River subbasin; 2) Legal interpretation and application of new Oregon State Administrative Rule for Goal 5 (natural) resources; 3) Statewide workshops in Oregon to train county and state personnel on new Goal 5 Rule; 4) Mineral exploration and Development system design and implementation on the Colville Indian Reservation; 5) International mineral marketing campaign for the Colville Tribes Mount Tolman ore body.

We are also going to use staff from the Center for Environmental Education at Washington State University in our work within the watershed. The following individuals are the lead personnel from the university.

Shulin Chen

**Department of Biological Systems Engineering, Washington State University
Matching Funds Contribution**

Education: 1991 – Ph.D. Cornell University, Ithaca, NY
 1981 – B.S. The Agricultural University of Hebei, Baoding, China

Current Reponsibilities/ Relevant Job Completions: Dr. Chen is in charge of both teaching and research projects for Washington State University. His teaching responsibilities include water quality, watershed management, natural systems for wastewater treatment, and aquacultural engineering. While his research projects include natural systems for agricultural wastewater treatment for USDA, a problem solving tool for mitigating the impact on water quality of management practices in small rural watersheds for USGS, wet detention pond for highway runoff control for NCHRP, and systems approach for watershed management for USDA.

Previous Employment:

- | | |
|------------------------------|--------------------------------------|
| • October 1995 – present | Assistant Professor, W.S.U. |
| • November 1992 – Sept. 1995 | Research Assistant Professor, L.S.U. |
| • January 1990 – Nov. 1992 | Post-doctoral Researcher, L.S.U. |

Expertise:

- Dr. Chen brings an expertise in water quality and management issues. This expertise will be used to review water quality information and help to apply this data to our work within this project. He also has expertise in environmental engineering which will help us in the design of instream and riparian structures.

Darin Saul

Director, Center for Environmental Education at Washington State University

Matching Funds Contribution

Education: 1996 – Ph.D. Washington State University, Pullman, WA.
1991 – M.A. Portland State University, Portland, OR
1987 – B.A. University of Washington, Seattle, WA

Current Responsibilities/Relevant Job Completions: Dr. Saul is the Director for the Center for Environmental Education and our liaison with WSU. He is currently working on the assessment model that will be used for Watershed Assessments completed by the Nez Perce Tribe. His experience in scientific writing and past watershed management publications will be invaluable in our efforts to establish a comprehensive document.

Experience:

- Director, Center for Environmental Education. 1996 – present
- Project Manager, Developing a Research Track In General Education Curriculum. 1997 – present
- Associate Director, WSU Preservice Teacher Environmental Literacy Project. 1996 – present
- Coordinator, Environmental Projects Program 1995 – 1996
- Adjunct Faculty at WSU 1997 – present
- Instructor and Teaching assistant 1990 - 1997

Publications:

- *A Next Step for Environmental Education: Thinking Critically, Thinking Culturally.* Accepted at The Journal of Environmental Education. Submitted February 1997.
- *Paradise Creek Watershed Water Quality Management Plan.* Co-written with Bruce Davis and the Paradise Creek Management for Washington Department of Ecology.
- “Intercultural Identity in James Welch’s *Fools Crow* and *The Indian Lawyer*.” American Indian Quarterly. Winter 1996, 1-6.

Section 10. Information/technology transfer

Information obtained from this project will be distributed through several documents. Streamnet will be used to document any relevant work completed in the watershed. Articles will be written and submitted to the Tribal Newsletter, Salmon Tales for publication.

One significant function of the Clearwater Focus Program is to ensure all resource managers and users in the subbasin know what information is available and what projects are being planned or implemented. This function will be performed by the establishing networks developed by both co-coordinators, subbasin newsletters, and the development of a more formal project planning process. It is anticipated that most if not all projects will be cooperative efforts between more than one agency. This design goal will also increase the distribution potential of information gained from project work and subsequent monitoring and assessment of that work.

Quarterly reports will be produced including project status, significant results, time lines, problems encountered, and upcoming planned activities. Annual reports will be published compiling all data and accomplishments achieved during the previous work seasons, and project and improvement suggestions for the upcoming years.

Congratulations!